

**WHAT IS CLAIMED IS:**

1. An image forming apparatus comprising:

a plurality of image carriers;

a plurality of transfer means, each of which is

5 provided corresponding to each of said plurality of image carriers and contacted under pressure with each of said plurality of image carriers through an intermediate transfer body or recording material by the application of pressure;

10 a plurality of driving means for driving said plurality of image carriers to rotate; and

control means for controlling said driving means,

wherein said control means changes a control

method for said driving means according to the kind of image so that said transfer means will be selectively operated according to the kind of image.

15 2. The image forming apparatus according to claim 1 further comprising

an intermediate transfer body,

20 wherein said plurality of transfer means are fixed to said plurality of image carriers through said intermediate transfer body by the application of pressure.

25 3. The image forming apparatus according to claim 1 wherein said control means controls said driving means to drive said image carriers according to correction information based on a mechanical resonance frequency of the driving systems of said image carriers corresponding to

the kind of image.

4. The image forming apparatus according to claim  
3 wherein the correction information is correction  
information for feed-forward control, and said control  
5 means controls said driving means to perform feed-forward  
control of said image carriers based on the correction  
information.

5. The image forming apparatus according to claim  
1 further comprising

10 storage means for storing plural pieces of  
correction information in association with kinds of images,  
wherein said control means reads the correction  
information from said storage means according to the kind  
of image, and controls said driving means to drive said  
15 image carriers based on the correction information.

6. An image forming apparatus comprising:  
a plurality of image carriers;  
an intermediate transfer body;  
a plurality of transfer means for transferring  
20 toner images formed on said plurality of image carriers  
onto said intermediate transfer body, each of said  
plurality of transfer means being provided corresponding to  
each of said plurality of image carriers and contacting  
under pressure with each of said plurality of image  
carriers through said intermediate transfer body by the  
25 application of pressure;  
driving means for driving said intermediate

transfer body; and

control means for controlling said driving means,

wherein said control means changes a control

method for said driving means according to the kind of

5 image so that said transfer means will be selectively  
operated according to the kind of image.

7. The image forming apparatus according to claim  
6 further comprising

an intermediate transfer body

10 wherein said plurality of transfer means are fixed  
to said plurality of image carriers through said  
intermediate transfer body by the application of pressure.

8. The image forming apparatus according to claim  
6 wherein said control means controls said driving means to  
15 drive said image carriers according to correction  
information based on a mechanical resonance frequency of  
the driving systems of said image carriers corresponding to  
the kind of image.

9. The image forming apparatus according to claim  
20 8 wherein the correction information is correction  
information for feed-forward control, and said control  
means controls said driving means to perform feed-forward  
control of said image carriers based on the correction  
information.

25 10. The image forming apparatus according to  
claim 6 further comprising

storage means for storing plural pieces of

correction information in association with kinds of images,  
wherein said control means reads the correction  
information from said storage means according to the kind  
of image, and controls said driving means to drive said  
5 image carriers based on the correction information.

11. A control method for a color image forming  
apparatus comprising the steps of:

selectively actuating transfer means according to  
the kind of image;

10 reading correction information related to control  
of the rotational speed of each image carrier from storage  
means according to the kind of image;

controlling the rotational speed of the image  
carrier based on the read correction information; and

15 transferring a toner image of a specific color on  
the image carrier onto an intermediate transfer body at a  
controlled rotational speed.

12. The control method for a color image forming  
apparatus according to claim 11, wherein the correction  
20 information related to control of the rotational speed is  
correction information for feed-forward control of each  
image carrier performed by the driving mechanism, the  
correction information including a frequency component  
based on a mechanical resonance frequency of the driving  
25 system of the image carrier.